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Atty. Docket No.: 25436/1560 PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

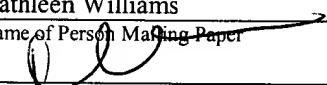
Application of: Sorge, et al.  
Serial No.: 09/698,341  
Filed: October 27, 2000  
Entitled: "Compositions and Methods Utilizing DNA Polymerases"

Examiner: Hutson, R.  
Group Art Unit: 1652  
Conf. No.: 6038

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. EL932823161US on this date, November 7, 2002, postage prepaid, in an envelope addressed to Box: RCE, Commissioner for Patents, Washington, D.C. 20231.

Kathleen Williams  
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Box: AF  
Commissioner for Patents  
Washington, D.C. 20231

**AMENDMENT UNDER 37 C.F.R. §1.116**

Sir:

This is filed in response to the Final Office Action mailed May 7, 2002 in the above-noted patent application. Kindly enter the following proposed amendments and remarks:

In the Claims:

Please enter the following proposed amendments.

Please replace claims 6, 10 and 88 with amended claims 6, 10 and 88 as follows:

D 1 6. (Twice Amended) An isolated recombinant mutant of the Thermococcus JDF-3 Family B DNA polymerase of SEQ ID NO: 2 that is 3' to 5' exonuclease deficient.

D 2 10. (Twice Amended) An isolated recombinant Family B DNA polymerase having reduced discrimination against non-conventional nucleotides, wherein said DNA polymerase has a mutation in the Region II consensus sequence DXXSLYPSII.